Form MR-REV-att (DOGM - Revise/Amend Change Form) (Revised September 14, 2005)

Operator: Mine Name: DIV. OF OIL, GAS & MINING

/ 0017

File Number: M/

Application for Mineral Mine Plan Revision or Amendment

CASTLE VALLEY STONE, LLC

maps and	drawings that are to	be added, repla	ced, or removed from the plan. Include	changes of the table of contents, section of the plan,
Provide a detailed listing of all changes to the mining and reclamation plan that will be required as a result of this change. Individually list a maps and drawings that are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan pages, or other information as needed to specifically locate, identify and revise or amend the existing Mining and Reclamation Plan. Including page, section and drawing numbers as part of the description. DETAILED SCHEDULE OF CHANGES TO THE MINING AND RECLAMATION PLAN				
	DETAILE	D SCHEDUL		
			DESCRIPTION OF MAP, TE	EXT, OR MATERIALS TO BE CHANGED
□ ADD	✓ REPLACE	□ REMOVE	Pages The following pages from the t	text: 14, 15, 18, 22 and 23.
□ ADD	▼ REPLACE	□ REMOVE	Surety: Bonding Calculations dated M	1arch 6, 2015
□ ADD	□ REPLACE	□ REMOVE		
□ ADD	□ REPLACE	□ REMOVE		
□ ADD	□ REPLACE	□ REMOVE		
□ ADD	DETAILED SCHEDULE OF CHANGES TO DESCRIPTION			
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his appli aws of U	cation is true tah in referen	and correctice to comm	t to the best of my information itments and obligations, h	tion and belief in all respects with the erein. Consultant
rint Name			Sign Name, Position	3/6/8 Date
	State of Utah	National Dago		
	Division of Oil, 1594 West Nor	Gas and Mini th Temple, Su	ng lite 1210	FOR DOGM USE ONLY: File #: M/ / Approved: ond Adjustment: from_(\$)

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Phone: (801) 538-5291 Fax: (801) 359-3940

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106.7 - Existing vegetation - species and amount

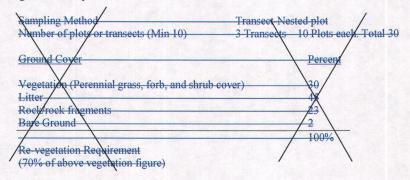
Vegetation - The operator is required to return the land to a useful condition and re-establish at least 70 percent of the pre-mining vegetation ground cover.

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The percent ground cover is determined by sampling the vegetation type(s) on the areas to be mined (see Attachment 1 for suggested sampling methods).

Comment [OSG1]: Comment 3: Some of the data on page 14 was crossed out, and the commitment to achieve 70% cover was written in. Please replace this page with the corrections made and not hand written. Noted. Corrections made.

(a) Vegetation Survey - The following information needs to be completed based upon the vegetation survey:



List the predominant perennial species of vegetation growing in each vegetation community type.

Querus Gambelli (Gambel Oak) Hahonia Repens (Oregon Grape)
Galium Aparine (Bed Straw) Elymus Spicata (Wheatgrass)
Poa Pratensis (Bluegrass)

Note, the original vegetation survey (Appendix A NRCS Soil Profile Data) prepared in June, 2000 included transects and plots representative of the soils from Gambel Oak stands, which are representative of the current expansion area. (See Appendix A, Page 1, ¶ 7)

(a) Photographs - The operator may submit photographs (prints) of the site to show existing vegetation conditions. These photographs should show the general appearance and condition of the area to be affected, and may be utilized for comparison upon reclamation of the site. Photographs should be clearly marked as to the location, orientation and the date they were taken.

No photos have been submitted, except those in Appendix C, Rock Products of Utah Vegetation and Soil Baseline Report.

Comment [OSG2]: Comment #5 The operator modified the text on February 24, 2015 to "No photos have been submitted." This statement is also incorrect as there are vegetation photos in the Vegetation and Soil Baseline Report in Appendix C. Please modify the text appropriately. Noted, and reference is made to the photos in Appendix C.

- 5) Measures taken to salvage and store soils to be used in reclamation attempts will be made to salvage all soil, no matter how sparse. When moving into a new area for exploration and eventual mining, the soil will be scraped off the rock and transported to one of the topsoil storage areas. Often soil will be interspersed in the excavated rock. This soil/rock is placed in the overburden pile for eventual re-use in reclamation.
- 6) Protection of stockpiled topsoil the topsoil will be in a "lowered" or dug out location. Soil erosion from rain, wind, snow and any other elements will be minimal.
- 7) Reclamation to be done during active mining operations prior to final closure it is anticipated that we will fill exploratory holes/pits as we dig them and decide we will not use them. Roads that are not used will be reclaimed as long as they are not necessary for emergency access or use. We will also anticipate holding off on any larger reclamation efforts until we have about an acre of land to reclaim.

Comment [OSG3]: Comment #6 Please re-insert the paragraph regarding the "Landslide Area" from the previous submittal. Noted. No action taken. Paragraph was relocated to Section 106.2 (9) as directed by the Division in June 2014 "Division Comment #24 from June 2014 - As previously written, "The text needs to address how the landslide will be remediated." The plan needs to address the landslide prior to the 2014 annual report Include a brief paragraph under the Operation Plan. The text on page 15, item 8, should be moved from operation practices to the operation plan."

R647-4-110 - Reclamation Plan

110.1 - Current & post mining land use

Other than current mining operations, the land uses for this area has been cattle grazing and deer hunting. It is anticipated that post-mining, the land uses will continue to be cattle grazing and deer hunting.

110.2 - Roads, highwalls, slopes, drainages, pits, etc., reclaimed

- (a) Road reclamation. Roads will be graded and ripped and then re-seeded. Where necessary, holes and gouges will be filled to the level of the road bed. Final configuration is expected to be grass/oak covered.
- (b) Highwall reclamation. Highwalls shall be reclaimed and stabilized by backfilling against them or by cutting the wall back to achieve a slope angle of 45 degrees or less as required by R647-4-111.7. The highwalls will be reclaimed with a maximum slope of 3H:1V-If it can be safely done, We-we will add a mixture of overburden, topsoil and composted manure over the highwall face, which will then be seeded. Final configuration is expected to be grass covered.
- (c) Slope Reclamation. We will re-grade those slopes more than 3h:1v configuration, and add a mixture of overburden, topsoil and composted manure, then re-seed. For those slopes that consist mostly of dirt, we will re-grade as necessary and seed. Final configuration is expected to be grass covered.
- (d) Waste dumps/overburden. The only waste by-products are rock and soil mixed. This is stock-piled for use in reclamation. Where the dumps remain, will grade to less than 3h:1v, add topsoil and composted manure' as necessary and seed. Final configuration is expected to be grass/oak covered.
- (e) Pits. Any pit or exploration hole will be filled with a mixture of overburden, topsoil and composted manure, smoothed and seeded. Final configuration is expected to be grass/oak covered.
- a. Other. We feel the following are not applicable to this mining operation: impoundments; drainage/natural drainage patterns; ponds; shafts; adits; drill holes; and leach pads.

110.3 - Description of facilities to be left (post mining use)

It is not anticipated that any surface facilities will be left after mining operations or reclamation.

110.4 - Description or treatment/disposition of deleterious or acid forming material

Deleterious materials are not present or used. Trash is collected in metal containers and removed from the site weekly. There will be no trash pit or trash receptacles remaining on the

Comment [OSG4]: Comment 7: In Section 110.2, (b), the text notes that the highwall will be "45 degrees or less," then the next sentence says it will have a "maximum slope of 3H:1V." These statements are inconsistent. Please make appropriate corrections.noted

site after mining operations have ceased.

110.5 - Revegetation planting program

- (a) Soil material placement
 - Volume of soils and approximate depth-Approximately 8,000CuYds at 6" deep
 - Sources of soils Local quarry sources
 - Agronomic analysis See Exhibit F-C (Vegetation and Soil Baseline Report)
 - Alternative materials/amendments to be applied in lieu of soils Addition of composted manure.
 - Methods used to transport and place soils Use of dozer/loader.

(b) Seed Bed Preparation

 Preparation of seed bed and equipment to be used - Use of dozer/loader with ripping devise, where required. Will be left rough (moon scaped). Area is not expected to be used for recreation.

(c) Seed Mixture- (Species to be seeded)

Common Name	Name Species	Rate Lbs/Acre
Thickspike wheatgrass	Agropyron Darystachum	2.0
Bluebunch Wheatgrass	Agropyron Spicatum	2.0
Intermediate Wheatgrass	Apropyron Intermedium	1.0
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Basin Wildrye	Elymus Cinereus	2.0
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Small burnet	Sanguisorba Minor	1.5
Mountain Big Sagebrush	Artemisia Tridentata Vaseyana	0.1
Serviceberry	Amelanchier Alnifolia	1.0
Forage Kochia	Kochia Prostrata	0.5
Bitterbrush	Purshia Tridentata	1.0
	Total Lbs/Acre	13.6

(d) Seeding Method

Comment [OSG5]: Comment 8: In Section 110.5, (a) bullet 3, the text notes "Exhibit F." Please change to "Exhibit C." Noted

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Broadcast seeding

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(d) Seeding Method

Broadcast seeding

Brown's Canyon Rock Quarry M/043/0017

Bonding (Calcu	lati	ons
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Prepared by: Oren Gatten North American Exploration, Inc.

Direct Costs

Subtotal Direct Costs	\$126,781.00
Subtotal Revegetation	\$37,400.00
Subtotal Backfilling and Grading	\$81,416.00
Subtotal Demolition and Removal	\$7,965.00

Indirect Costs

Mob/Demob	\$12,678.00	10.0%
Contingency	\$6,339.00	5.0%
Engineering Redesign	\$3,170.00	2.5%
Main Office Expense	\$8,621.00	6.8%
Project Management Fee	\$3,170.00	2.5%
Subtotal Indirect Costs	\$33,978.00	

<u>Total Cost 2015</u> \$160,759.00

Number of Years				5
Escalation Factor				0.012

Reclamation Cost Escalated	\$170,639.00	
Total Acres of Discurbance	29.50	Acres
Average Cost per Acre Disturbed	\$5,784.00	\$ / Acre

Bond Amount (Rounded to nearest \$1,000)	
2020 Dollars	\$171,000.00

RECLAMATION SURETY ESTIMATE

Mine Operator: Castle Valley Stone

Mine Name: Brown's Canyon Rock Quarry 1

DOGM file Number: M/043/0017

Prepared by: Oren Gatten

North American Exploration, Inc

Column Debard Renoval Debard Renoval Re								Front End Loader
Restation Rest	\$0				Me. Tra	Salvage/Recycling Center	nd K Waste W Heber, (435) 654-2	Disposal of Material
Materials Rathermore Rath	\$581	48 Mile				52 13 20	Transport Crusher	Delivery to Heber, Utah 48 Mile Round Trip
Materialis Riskeans Reference # Unit Cost Unit Langth Wirth Height Diameter Area Volume Weight Diameter Area Weight Diameter Diamet	\$50				The second secon	Landfill Rate	Disposal at Payson Landfill. 10 Wheeled Vehicle, \$80/Load	Disposal of Material
Restherate Res	\$234	2 Hr	2 HR			23 23 20	Henefer Landfill 2140 Henefer Landfill Rd Henefer, UT 84033 (435) 336-3338	Building Debris - Hauling to Henefer Landfill, 56 Mile Round Trip (Avg 40mph)
Manterials RSMeans Reference # Unit Cost Unit Langth Width Height Diametr Area Volume Weight Dansity Time Mumber Unit Swell Quantly Unit Cost Transport Trailer Diametrials Physical and Physical Landfill Rate S25.00 Ton S25.00	\$799	2,048 CF	2,048	16		41 16 13	Structure Demolotion, Large Projects, Wood	Small Wood Building, No Interior Walls
Materialis R8Means Reference # Unit Cost Unit Langth Width Height Diameter Area Volume Weight Density Time Number Unit Swell Quantity Unit Cost Unit Unit Cost Unit Unit Cost Unit Cost Unit Unit Unit Unit Cost Unit Unit Cost Unit Unit	\$0				Me	Salvage/Recycling Center	nd K Waste W Heber, (435) 654-2	\$
Materials RSMeans Reference # Unit Cost Unit Length Width Height Diameter Area Volume Weight Density Time Number Unit Swell Quantity Unit Cost Unit Unit Cost Unit Unit	\$581	48 Mile				52 13 20	Transport Trailer	Delivery to Heber, Utah 48 Mile Round Trip
Materials R5Means Reference # Unit Cost Unit Length Width Height Diameter Area Volume Weight Density Time Number Unit Swell Quantity Unit Cost Cost Transport Trailer Disposal at Payson Landfill Landfill Rate S25.00 Ton S21.10 Mile S25.00 Ton S25.00	\$0	1 Metal			Control of the Contro	Salvage/Recycling Center	nd K Waste W Heber, (435) 654-2	
Materials RSMeans Reference # Unit Cost Unit Length Width Height Diameter Area Volume Weight Density Time Number Unit Swell Quantity Unit Cost Unit Uni	\$581	48 Mile				52 13 20	Transport Trailer	Delivery to Heber, Utah 48 Mile Round Trip
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Materials RSMeans Reference # Unit Cost Unit Length Width Height Diameter Area Volume Weight Density Time Number Unit Swell Quantity Unit Cost Quantity Unit Cost	\$100	4 Ton	4 Ton			Landfill Rate	Disposal at Payson Landfill. 10 Wheeled Vehicle, \$80/Load	
Materials RSMeans Reference # Unit Cost Unit Length Width Height Diameter Area Volume Weight Density Time Number Unit Swell Quantity Unit Cost C	\$678	56 Mile				52 13 20	Transport Trailer	Delivery to Landfill in Henefer, Utah 56 Mile Round Trip
Materials RSMeans Reference # Unit Cost Unit Length Width Height Diameter Area Volume Weight Density Time Number Unit Swell Quantity Unit Cost C	\$200	8 Ton	8 Ton			Landfill Rate	Disposal at Payson Landfill. 10 Wheeled Vehicle, \$80/Load	
Materials RSMeans Reference # Unit Cost Unit Length Width Height Diameter Area Volume Weight Density Time Number Unit Swell Quantity Unit Quantity Unit Quantity Unit Cost Unit Unit Cost Unit Unit Cost Unit Cost Unit	\$678	56 Mile				52 13 20	Transport Trailer	Delivery to Landfill in Henefer, Utah 56 Mile Round Trip
Materials RSMeans Reference # Unit Cost Unit Length Width Height Diameter Area Volume Weight Density Time Number Unit Swell Quantity Unit Cost Unit U								T
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North American Exploration, Inc

SUMMIT COUNTY, UTAH

O1 52 13 20 0800 \$12.10 Mile	Gates Will Remain per Landowner Requirement	Gates and Access Controls	Disposal of Material S 670 W Heber, UT 84032 (435) 654-2321	Delivery to Heber, Utah 48 Mile Transport Jaw Crusher Round Trip	Jaw Crusher	Diamond K Waste 221 S 670 W Heber, UT 84032 (435) 654-2321	Delivery to Heber, Utah 48 Mile Transport Screen	Portable Vibratory Screen	Disposal of Material S 670 W Heber, UT 84032 (435) 654-2321	Delivery to Heber, Utah Two Trips, 48 Mile Round Trip for each Conveyor Transport Conveyors	Aggregate Conveyors (2 Pcs.)	Diamond K Waste 221. S 670 W Heber, UT 84032 (435) 654-2321	Delivery to Heber, Utah 48 Mile Transport Trailer Round Trip	- Coordon
Mile			4	01 52 13 20		4	52 13 20		4	01 52 13 20		4	52 13 20	Tomorio Toloro
the base of the second of the														Cinc duming Cinc

Total Demolition and Disposal

\$7,965

RECLAMATION SURETY ESTIMATE

Mine Operator: Castle Valley Stone

Mine Name: Brown's Canyon Rock Quarry 1

DOGM file Number: M/043/0017

SUMMIT COUNTY, UTAH

Ea Prepared by: Oren Gatten
North American Exploration, Inc

-																			
	Description	Materials	RSMeans Reference #	Unit Cost U	Unit Length	th Width		Height Dia	Diameter /	Acres	Volume \	Weight	Density	Time	Number	Unit	= Swe	Quantity Unit	Cost
Ea	Earth Work																		
Bac	Backfilling and Grading																		
	Site Reclamation																		
	Rip Roads 24" deep with Dozer and 3 Ripping Teeth, 3 passes totaling 7.4cy ripping per 100' of road.	Ripping, Till, Medium Hard, 300Hp Dozer, Adverse Conditions.	31 23 16 32 0020	\$4.32 B.C.Y.											111 B	3.C.Y.		111 B.C.Y.	7. \$480
	Grading of roads and compacted areas after ripping to blend at contours not to excede 3H:1V. There are 500 lineal feet of road, averaging 20 feet in width.	Finish grading, Steep Slopes	31 23 16 10 3310	\$0.26 S.Y.											1,100 S.	\$.Y.		1,100 S.Y.	\$286
	High Wall Reclamation: The total acreage of project disturbance is 30.1 acres. This includes the high wall, but the operator may choose not to reclaim the highwall for safety reasons. During operation, the overall slope of the highwall will be 1H:1V or less, so no cut back of the wall is planned.																		
	Slope Reclamation: Mine and waste areas are required to be maintained with 3H:1V maximum slopes during operation. A dozer will be used to blend uneven slopes to more natural contours using loose mine run and waste material. This will be done concurrenty with topsoil distribution. Estimated volume of material to be pushed for recontouring is 20 cubic yards per acre.	Dozer or Front End Loader, 300 H.P., 300' Haul, Common Earth	31 23 23 14 5420	\$2.18 B.C.Y.						37.4					748 B	3.С.Ү.		748 B.C.Y	. \$1,631
	Use 11cy elevating scraper to move and distribute stockpiled growth medium to areas which are greater than 300 feet from the source stockpile.	Elevating Scraper, Sandy Clay and Loam, 1500' haul.	31 23 16 48 0410	\$4.32 B.C.Y.						9.0					7,260 B.	3.С.Ү.		7,260 B.C.Y	°. \$31,363
	Topsoil Distribution Over 27.1 Acres (Total disturbance of 37.4 acres less 3.0 acres of soil stockpiles, 1.3 acres highwall, 9 acres beyond 300' and 3.0 acres of landslide)	Dozer or Front End Loader, 300 H.P., 300' Haul, Common Earth	31 23 23 14 5420	\$2.18 B.C.Y.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			27.1					21,861 B.	3.C.Y.		21,861 B.C.Y	. \$47,656

RECLAMATION SURETY ESTIMATE

Last Revision

March 6, 2015

Mine Operator: Castle Valley Stone

Mine Name: Brown's Canyon Book Ollar

Mine Name: Brown's Canyon Rock Quarry 1

DOGM file Number: M/043/0017 SUMMIT COUNTY, UTAH

Prepared by: Oren Gatten

North American Exploration, Inc

	Revegetation - Amendments and Reseeding	
DOGM Revegetation	mendments and R	Description
\$1,000/Acre Standard	eseeding	Materials
		Means Reference Number
\$1,000.00 Acre		Unit Cost Ur
<u>ē</u>		it Length Wid
		dth Height D
		iameter Area
		Volume W
		eight Density
37.		Unit Length Width Height Diameter Area Volume Weight Density Time Number
37.4 Acre		
37.4 Acre		Unit Swell Quantity Unit
e \$37,400		nit Cost

Total Revegetation, Amendments and Reseeding \$37,400

Castle	Valle	y Stone,	LLC
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Revised March 6, 2015

Brown's Canyon Rock Quarry M/043/0017

Bond	ling Ca	lcula	ations
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Prepared by: Oren Gatten North American Exploration, Inc.

Direct Costs

Subtotal Demolition and Removal	\$7,965.00
Subtotal Backfilling and Grading	\$81,416.00
Subtotal Revegetation	\$37,400.00
Subtotal Direct Costs	\$126,781.00

Indirect Costs

Mob/Demob	\$12,678.00	10.0%
Contingency	\$6,339.00	5.0%
Engineering Redesign	\$3,170.00	2.5%
Main Office Expense	\$8,621.00	6.8%
Project Management Fee	\$3,170.00	2.5%
Subtotal Indirect Costs	\$33,978.00	

<u>Total Cost 2015</u> \$160,759.00

Number of Years		5
Escalation Factor		0.012

Reclamation Cost Escalated	\$170,639.00	
Total Acres of Discurbance	29.50	Acres
Average Cost per Acre Disturbed	\$5,784.00	\$ / Acre

Bond Amount (Rounded to nearest \$1,000)	
2020 Dollars	\$171,000.00

RECLAMATION SURETY ESTIMATE
Mine Operator: Castle Valley Stone
Mine Name: Brown's Canyon Rock Quarry 1
DOGM file Number: M/043/0017
Prepared by: Oren Gatten
North American Exploration, Inc SUMMIT COUNTY, UTAH

Transport Ti Disposal at 10 Wheeled \$80/Load Transport Ti Disposal at 10 Wheeled \$80/Load Transport Ti Disposal at 10 Wheeled \$80/Load Transport Ti Diamond K V S 670 W 84032 Transport Ti Diamond K V S 670 W 84032 Transport Ti Diamond K V S 670 W 84032 Transport Ti Diamond K V S 670 W 84032 Transport Ti Diamond K V S 670 W 84032 Transport Ci Diamond K V S 670 W 84032 Transport Ci Diamond K V S 670 W 84032 Transport Ci Diamond K V S 670 W 84032	Demolition and Removal	Materials	Nomicalla Neletettee #	Ollin Ocean	Forgati what incignt planted have			
State County Transport Trailer 201 52 13 20 0500 \$12.10 Mile	Scale Trailer (10'x8')							
Trailer (20 x 27) Trai		ransport Trailer	52 13 20		Mile		56 Mile	\$678
Trailler (20x9) Trailler Transport Trailler		Disposal at Payson Landfill. O Wheeled Vehicle, 80/Load	Landfill Rate		on	8 Ton	8 Ton	\$200
Solute Round Trip Disposal at Payson Landfill Landfill Rate S25.00 Ton Solute Round Trip Solute Round Ro								
Sal of Material Disposable Repsych andfill Landfill Rate \$25.00 Ton	lenefer, ib	ransport Trailer	52 13 20	10	Aile		56 Mile	\$678
ge Container (10'x8') Transport Trailer 01 52 13 20 0800 \$12.10 Mile sal of Material Diamond K Wastle Stowy L2214 Salvage/Recycling Center \$0.00 Malar ge container (20'x8') B4032 (435) 654-2321 Salvage/Recycling Center \$0.00 Mile ge container (16'x8') Transport Trailer 01 52 13 20 0800 \$12.10 Mile sal of Material S670 W Heber, UII Salvage/Recycling Center \$0.00 Metal 17rip Diamond K Wastle S770 W 2214 Salvage/Recycling Center \$0.00 Trailer 18 do (15'x15') Transport Trailer 01 52 13 20 0800 \$12.10 Mile 19 Debris - Hauling to Large Recycling Center S670 W Heber, UII H 48 Mile Trailer S670 W 41 16 13 20 0800 \$12.10 Mile 19 Debris - Hauling to Project By Sepsal at Payson Landfill Ling 240 the Heber, UII Sepsal at Payson Landfill Landfill Rate Landfill Rate <td>1</td> <td>Disposal at Payson Landfill. O Wheeled Vehicle, 80/Load</td> <td>Landfill Rate</td> <td></td> <td>on</td> <td>4 Ton</td> <td>4 Ton</td> <td>\$100</td>	1	Disposal at Payson Landfill. O Wheeled Vehicle, 80/Load	Landfill Rate		on	4 Ton	4 Ton	\$100
Strip								
Sal of Material Salvage/Recycling Center S0.00 Metal	Vile	ransport Trailer	52 13 20		Mile		48 Mile	\$581
Be container (20'x8')		nd K Waste W Heber, (435) 654-2	Salvage/Recycling Center	\$0.00	/letal railer		1 Metal	\$0
Trip Vicheber, Utah 48 Mile Transport Trailer 2214 Salvage/Recycling Center \$0.00 Mile Mile Mile Mile	Storage container (20'x8')							
Diamond K Waste 2214 Salvage/Recycling Center So 00 Trailer So 00 So 00 So 00 Trailer So 00	Heber, Utah 48 Mile	ransport Trailer	52 13 20		Aile III		48 Mile	\$581
Projects Projects	Material	nd K Waste W Heber, (435) 654-2	Salvage/Recycling Center		Metal Trailer		1 Metal	\$0
Sal of Material Diamond K Waste 2214 Salvage/Recycling Center \$0.00 Trailer	ontainer (16'x8') Heber, Utah 48 Mile	ransport Trailer	52 13 20		hile		48 Mile	\$581
Shed (15'x15')		nd K Waste W Heber, (435) 654-2	Salvage/Recycling Center		/letal railer		1 Metal	\$0
Part	Shed (15'x15') Wood Building, No Interior	tructure Demolotion, Large rojects, Wood	41 16 13	1000	16 16	2,048	2,048 CF	\$799
Disposal at Payson Landfill. Landfill Rate \$25.00 Ton 2 2 2 2 2 2 2 2 2	ng Debris - Hauling to er Landfill, 56 Mile Round wg 40mph)	lenefer Landfill 140 Henefer Landfill Rd lenefer, UT 84033 435) 336-3338	23 23 20	And the second s		2 HR	2 부	\$234
Transport Crusher 01 52 13 20 0800 \$12.10 Diamond K Waste S 670 W Heber, UT 84032 2214 Heber, UT 435) 654-2321 Salvage/Recycling Center \$0.00)isposal at Payson Landfill. 0 Wheeled Vehicle, 80/Load	Landfill Rate		on	2 Ton	2 Ton	\$50
Transport Crusher 01 52 13 20 0800 \$12.10 Diamond K Waste S 670 W Heber, UT 84032 2214 Salvage/Recycling Center \$0.00	10 m							
Diamond K Waste 2214 S 670 W Heber, UT Salvage/Recycling Center \$0.00		ransport Crusher	52 13 20		flile		48 Mile	\$581
	Material	nd K Waste W Heber, (435) 654-2	Salvage/Recycling Center	\$0.00	fletal railer		1 Metal	\$0

RECLAMATION SURETY ESTIMATE

Mine Operator: Castle Valley Stone

Mine Name: Brown's Canyon Rock Quarry 1

DOGM file Number: M/043/0017

Prepared by: Oren Gatten

North American Exploration, Inc

SUMMIT COUNTY, UTAH

Gate Land	Gate	Disp	Deliv	Jaw	Disp	Deliv	Port	Disp	Deliv Trips each	Agg	Disp	Rour	Des
Gates Will Remain per Landowner Requirement	Gates and Access Controls	Disposal of Material	Delivery to Heber, Utah 48 Mile Round Trip	Jaw Crusher	Disposal of Material	Delivery to Heber, Utah 48 Mile Round Trip	Portable Vibratory Screen	Disposal of Material	Delivery to Heber, Utah Two Trips, 48 Mile Round Trip for each Conveyor	Aggregate Conveyors (2 Pcs.)	Disposal of Material	Delivery to Heber, Utah 48 Mile Round Trip	Description
		Diamond K Waste 2214 S 670 W Heber, UT 84032 (435) 654-2321	Transport Jaw Crusher		Diamond K Waste 2214 S 670 W Heber, UT 84032 (435) 654-2321	Transport Screen		Diamond K Waste 2214 S 670 W Heber, UT 84032 (435) 654-2321	Transport Conveyors		Diamond K Waste 2214 S 670 W Heber, UT 84032 (435) 654-2321	Transport Trailer	Materials
		Salvage/Recycling Center	01 52 13 20 0800		Salvage/Recycling Center	01 52 13 20 0800		Salvage/Recycling Center	01 52 13 20 0800		Salvage/Recycling Center	01 52 13 20 0800	RSMeans Reference #
		\$0.00	\$12.10 Mi		\$0.00	\$12.10 Mile		\$0.00	\$12.10 Mile		\$0.00	\$12.10 Mile	Unit Cost Unit
		\$0.00 Metal Trailer	Mile		\$0.00 Metal Trailer	Mile		\$0.00 Metal Trailer	Mile		\$0.00 Metal Trailer	Mile	Unit
													Lengui
													WIGIN
													Height
													Diameter Area
													volume
													Meight
													Density
													Time
													Number Onit
													Swell
		1 Metal	48 Mile		1 Metal	48 Mile		1 Metal	96 Mile		1 Metal	48 Mile	Quantity Unit
\$0		\$0	\$581		\$0	\$581		\$0	\$1,162		\$0	\$581	Cost

Total Demolition and Disposal

\$7,965

RECLAMATION SURETY ESTIMATE

Last Revision

March 6, 2015

Mine Operator: Castle Valley Stone
Mine Name: Brown's Canyon Rock Quarry 1

DOGM file Number: M/043/0017

SUMMIT COUNTY, UTAH

Prepared by: Oren Gatten														
North American Exploration, Inc Description	Materials	RSMeans Reference #	Unit Cost U	Unit Length Width	Height Diameter	Acres Vo	Volume Weight	t Density	Time	Number	Unit Swe	Quantity	Unit	Cost
Earth Work				-										
Backfilling and Grading														
Site Reclamation														
Rip Roads 24" deep with Dozer and 3 Ripping Teeth, 3 passes totaling 7.4cy ripping per 100' of road.	Ripping, Till, Medium Hard, 300Hp Dozer, Adverse Conditions.	31 23 16 32 0020	\$4.32 B.C.Y.	Α.						111 B.0	B.C.Y.	111 B.	B.C.Y.	\$480
Grading of roads and compacted areas after ripping to blend at contours not to excede 3H:1V. There are 500 lineal feet of road, averaging 20 feet in width.	Finish grading, Steep Slopes	31 23 16 10 3310	\$0.26 S.Y.							1,100 S.Y.		1,100 S.Y.		\$286
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Use 11cy elevating scraper to move and distribute stockpiled growth medium to areas which are greater than 300 feet from the source stockpile.	Elevating Scraper, Sandy Clay and Loam, 1500' haul.	31 23 16 48 0410	\$4.32 B.C.Y.	.<		9.0				7,260 B.C	B.C.Y.	7,260 B.C.Y	Σ.Υ.	\$31,363
Topsoil Distribution Over 27.1 Acres (Total disturbance of 37.4 acres less 3.0 acres of soil stockpiles, 1.3 acres highwall, 9 acres beyond 300' and 3.0 acres	Dozer or Front End Loader, 300 H.P., 300' Haul, Common Earth	31 23 23 14 5420	X.O.B 81.2\$	Υ,		27.1				21,861 B.C	B.C.Y.	21,861 B.C.Y	S.Y.	\$47,656

RECLAMATION SURETY ESTIMATE

Last Revision

March 6, 2015

Mine Operator: Castle Valley Stone

Mine Name: Brown's Canyon Rock Quarry 1

DOGM file Number: M/043/0017 SUMMIT COUNTY, UTAH

Prepared by: Oren Gatten

North American Exploration, Inc.

	Revegetation - A	
DOGM Revegetation	Revegetation - Amendments and Reseeding	Description
\$1,000/Acre Standard	Reseeding	Materials
		Means Reference Number
\$1,000.00		Unit Cost
Acre		Unit Ler
20 TAG		ngth Wi
		dth Heig
		Unit Length Width Height Diameter Area Volume Weight Density Time Number
		r Area
		Volume
		Weigh
		t Densit
		Time
37.4		Number
37.4 Acre		Unit
		Swell Q
37.4 Acre		Unit Swell Quantity Unit
Acre		Unit
\$37,400		Cost

Total Revegetation, Amendments and Reseeding

\$37,400